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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,560	10/11/2005	Mark Ryan Mayernick	PU030091	2556

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JOSEPH J. LAKS, VICE PRESIDENT
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PATENT OPERATIONS
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EXAMINER

HOM, SHICK C

ART UNIT	PAPER NUMBER
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2616

MAIL DATE	DELIVERY MODE
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05/14/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/552,560

Applicant(s)

MAYERNICK, MARK RYAN

Examiner

Shick C. Hom

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-17 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

2. Claim 11 is objected to because of the following informalities: in claim 11 line 3 delete "(225)". Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 4, 10, and 12-13 are rejected under 35 U.S.C. 102(b) as being anticipated by Perlman et al. (5,313,465).

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Regarding claims 1, 10:

Perlman et al. disclose a method of configuring, in a router, a physical port for coupling to a network (the abstract recite routers in the network being configured with mapping information that relates the destination number of each associated destination with its logical address), said method comprising:

receiving a message to configure said physical port for use with said network (col. 3 lines 17-25 recite the receiving information including destination address identifying destination attached to or reachable through the router and the port through which that destination is reachable and the domain to which each destination is assigned clearly anticipate the message for configuring the port for use with the network);

associating, responsive to receiving said message, a set of mapping assignments for using said physical port to access said network (the abstract recite associating mapping information to the destination number of each associated destination and logical address); and

implementing said mapping assignments, responsive to associating said mapping assignments, to configure said physical port for coupling to said network (col. 4 lines 44-64 recite the

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router being configured with mapping information which is specific to each port for coupling to the network).

Regarding claim 4:

Perlman et al. disclose wherein said network is a Local Area Network LAN (col. 3 lines 4-9 recite the LAN).

Regarding claims 12, 13:

Perlman et al. disclose wherein said implementing step changes the physical port from a secure type physical port to a non-secure type physical port or from the non-secure type physical port to the secure type physical port (col. 4 lines 19-43 recite allowing communication among a group of destinations while maintaining security and restricting communication with the method of configuration and mapping).

5. Claim 11 is rejected under 35 U.S.C. 102(b) as being anticipated by Feuerstraeter et al. (2003/0058894).

Regarding claim 11:

Feuerstraeter et al. disclose a router comprising: processor, memory, and support circuitry having a WAN/LAN port manager (paragraph 0027 recite the processor, memory, and

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support circuitry, and paragraph 0033 recite the device being auto-configured to operate in LAN or WAN space depending upon the port type);

a LAN interface; a WAN interface; and a plurality of physical ports selectively connectable to said LAN interface or said WAN interface (Fig. 1 shows the LAN and WAN interfaces and ports connecting the LAN or WAN interface), wherein

said WAN/LAN port manager controls whether each of said plurality of physical ports is coupled to said LAN interface or said WAN interface (paragraph 0043 recite means for controlling the deserializer configuration for LAN or WAN).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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7. Claims 2-3, 5-9, and 14-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Perlman et al. (5,313,465) in view of Feuerstraeter et al. (2003/0058894).

For claims 2-3, 5-9, and 14-17, Perlman et al. disclose the method and device described in paragraph 4 of this office action. Perlman et al. disclose all the subject matter of the claimed invention as with the exception of storing said mapping assignments as in claim 2; wherein said network is a Wide Area Network (WAN) as in claim 3; wherein said network is a Local Area Network (LAN) prior to said step of implementing and is a Wide Area Network (WAN) after said step of implementing as in claim 5; wherein said message is implemented using an Simple Network Management Protocol (SNMP) SET command as in claim 6; wherein said message is implemented using HyperText Transfer Protocol (HTTP) data as in claim 7; wherein said message is created after detecting at least one hardware switch setting change as in claim 8; wherein said message is implemented using a router proprietary command message as in claim 9; wherein said implementing step changes the physical port from a WAN type physical port to a LAN type physical port or from the LAN type physical port to the WAN type physical port as in claims 14-15 and wherein said implementing step alters an initial designation

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of the physical port by a manufacturer of the router as one of a LAN type port or a WAN type port to one of the WAN type port or the LAN type port, respectively as in claims 16-17.

Feuerstraeter et al. from the same or similar fields of endeavor teach that it is known to provide storing said mapping assignments (paragraph 0027 recite storage means used for performing the operation of the invention);

wherein said network is a Wide Area Network (WAN) (paragraph 0002 recite the WAN);

wherein said network is a Local Area Network (LAN) prior to said step of implementing and is a Wide Area Network (WAN) after said step of implementing (paragraph 0035 recite the port type being LAN and WAN found at the physical layer);

wherein said message is implemented using an Simple Network Management Protocol (SNMP) SET command and wherein said message is implemented using HyperText Transfer Protocol (HTTP) data (paragraph 0041 recite message being defined by Internet standard);

wherein said message is created after detecting at least one hardware switch setting change (paragraph 0035 recite hardware means);

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wherein said message is implemented using a router proprietary command message (paragraphs 0034-35 recite the routers providing command message);

wherein said implementing step changes the physical port from a WAN type physical port to a LAN type physical port or from the LAN type physical port to the WAN type physical port and wherein said implementing step alters an initial designation of the physical port by a manufacturer of the router as one of a LAN type port or a WAN type port to one of the WAN type port or the LAN type port, respectively (paragraph 0033 recite the device being auto-configured to operate in LAN or WAN space depending upon the port type; Fig. 1 shows the LAN and WAN interfaces and ports connecting the LAN or WAN interface; and paragraph 0043 recite means for controlling the deserializer configuration for LAN or WAN clearly anticipate the implementing step alters the physical port as one of a LAN type port or a WAN type port).

Thus, it would have been obvious to the person having ordinary skill in the art at the time the invention was made to store said mapping assignments; provide wherein said network is a Wide Area Network (WAN); wherein said network is a Local Area Network (LAN) prior to said step of implementing and is a Wide Area Network (WAN) after said step of implementing; wherein said

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message is implemented using an Simple Network Management Protocol (SNMP) SET command; wherein said message is implemented using HyperText Transfer Protocol (HTTP) data; wherein said message is created after detecting at least one hardware switch setting change; wherein said message is implemented using a router proprietary command message; wherein said implementing step changes the physical port from a WAN type physical port to a LAN type physical port or from the LAN type physical port to the WAN type physical port; and wherein said implementing step alters an initial designation of the physical port by a manufacturer of the router as one of a LAN type port or a WAN type port to one of the WAN type port or the LAN type port, respectively as taught by Feuerstraeter et al. in the communications method and device of Perlman et al.

The step of storing said mapping assignments; provide wherein said network is a Wide Area Network (WAN); wherein said network is a Local Area Network (LAN) prior to said step of implementing and is a Wide Area Network (WAN) after said step of implementing; wherein said message is implemented using an Simple Network Management Protocol (SNMP) SET command; wherein said message is implemented using HyperText Transfer Protocol (HTTP) data; wherein said message is created after detecting at least one hardware switch setting change; wherein said message

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is implemented using a router proprietary command message; wherein said implementing step changes the physical port from a WAN type physical port to a LAN type physical port or from the LAN type physical port to the WAN type physical port; and wherein said implementing step alters an initial designation of the physical port by a manufacturer of the router as one of a LAN type port or a WAN type port to one of the WAN type port or the LAN type port, respectively, can be implemented by connecting the providing the storing means; connecting to the Wide Area Network (WAN); wherein said network is a Local Area Network (LAN) prior to said step of implementing and is a Wide Area Network (WAN) after said step of implementing; wherein said message is implemented using an Simple Network Management Protocol (SNMP) SET command; wherein said message is implemented using HyperText Transfer Protocol (HTTP) data; wherein said message is created after detecting at least one hardware switch setting change; wherein said message is implemented using a router proprietary command message; wherein said implementing step changes the physical port from a WAN type physical port to a LAN type physical port or from the LAN type physical port to the WAN type physical port; and wherein said implementing step alters an initial designation of the physical port by a manufacturer of the router as one of a LAN type port or a WAN

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type port to one of the WAN type port or the LAN type port, respectively of Feuerstraeter et al. to the device and method of Perlman et al.

The motivation for providing the storage means; connection to a Wide Area Network (WAN); wherein said network is a Local Area Network (LAN) prior to said step of implementing and is a Wide Area Network (WAN) after said step of implementing; wherein said message is implemented using an Simple Network Management Protocol (SNMP) SET command; wherein said message is implemented using HyperText Transfer Protocol (HTTP) data; wherein said message is created after detecting at least one hardware switch setting change; wherein said message is implemented using a router proprietary command message; wherein said implementing step changes the physical port from a WAN type physical port to a LAN type physical port or from the LAN type physical port to the WAN type physical port; and wherein said implementing step alters an initial designation of the physical port by a manufacturer of the router as one of a LAN type port or a WAN type port to one of the WAN type port or the LAN type port, respectively, as taught by Feuerstraeter et al. in the communication method and device of Perlman et al. being that the storage means provides more efficiency for the system since the system can quickly retrieve the mapping assignment value for

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configuring the port; and connecting the WAN and LAN to the system and altering the physical port as one of a LAN type port or a WAN provide the desired added feature of a providing both a WAN and LAN to the system and added flexibility of transmitting to a WAN or LAN.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Crooks discloses configuration mapping in an ATM-based Wide Area Network.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shick C. Hom whose telephone number is 571-272-3173. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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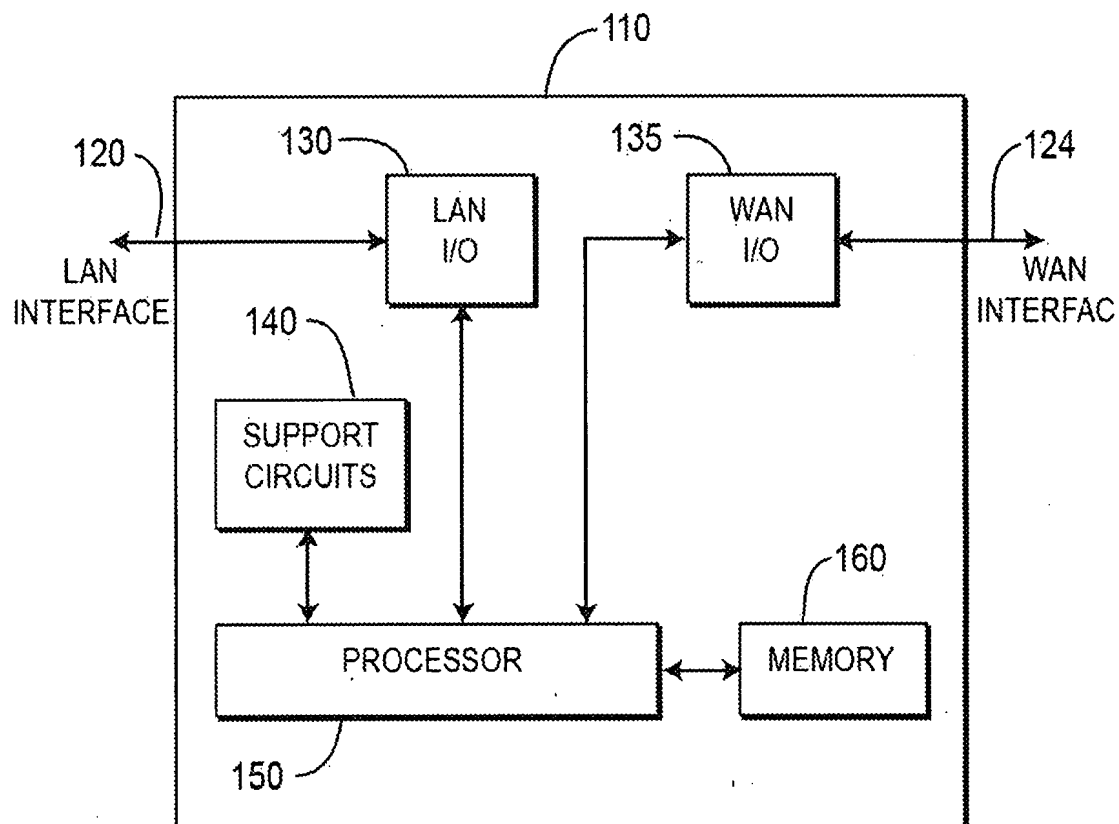
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SH SH

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REPLACEMENT SHEET

1/3

**FIG. 1**

PRIOR ART